Ecology and Evolution Emphasis Area Checklist

I. Core Courses

________ BI 370 Ecology (or BI 395 Tropical Ecology)

________ BI 380 Evolution

II. Statistics Requirements: _____ ANTH 470, or BI 399 Intro Experimental Design & Statistics, or ERTH 418, or MATH 243, or MATH 425, or PSY 302, or equivalent.

*Course taken to fulfill the lab/field requirement cannot also be used to fulfill the advanced electives requirement.

III. Biological Lab/Field Course: At least one field or lab course from the following: *

_____ BI 306 Pollination Biology
_____ BI 307 Forest Biology
_____ BI 357 Marine Biology
_____ BI 372 Field Biology
_____ BI 410 Field Biology
_____ BI 448 Field Botany

_____ BI 410 Ecological Field Methods

_____ ONEO 488: BI Neotropical Ecology Field Stdy

IV. Advanced Electives: At least three additional courses from the following:*

_____ BI 401 Research (4 credits min.)
_____ BI 410 Marine Microbiology: Topics
_____ BI 410 Microbial Ecology
_____ BI 410 Tropical Marine Biology
_____ BI 410 Modeling in the Life Sciences
_____ BI 410 Ecological Field Methods
_____ BI 410 Conservation Genetics
_____ BI 432 Mycology
_____ BI 442 Systematic Botany
_____ BI 448 Field Botany
_____ BI 451 Invertebrate Zoology
_____ BI 452 Insect Biology
_____ BI 454 Estuarine Biology
_____ BI 455 Marine Birds & Mammals

_____ BI 457 Top: Deep Sea Ecology
_____ BI 457 Top: Biology of Fishes
_____ BI 457 Top: Marine Conservation Biology
_____ BI 468 Amphibians & Reptiles
_____ BI 471 Population Ecology
_____ BI 472 Community Ecology
_____ BI 474 Marine Ecology
_____ BI 476 Terrestrial Ecosystems Ecology
_____ BI 484 Molecular Evolution
_____ BI 486 Population Genetics
_____ BI 488 Evolutionary Processes
_____ ONEO 488: BI Neotropical Ecology Field Stdy
_____ ONEO 488: BI Neotropical Ecology Field Proj

Please note: Not all 400-level courses are offered every year.

Last Updated 9/24/2021
IV. Advanced Electives Continued - Outside-Departmentally Approved Courses:

___ANTH 459 Advanced Evolutionary Medicine  ___ERTH 433 Paleobotany
___ANTH 462 Primate Evolution  ___ERTH 434 Vertebrate Paleontology
___ANTH 463 Primate Behavior  ___ERTH 435 Paleopedology
___ANTH 467 Paleoecology Human Evo  ___GEOG 323 Biogeography
___ANTH 468 Evolutionary Theory  ___GEOG 421 Advanced Climatology
___ANTH 472 Primate Conservation  ___GEOG 423 Advanced Biogeography
___ANTH 487 Bioanthropology Methods  ___GEOG 433 Fire & Natural Disturbances
___ENVS 427 Environmental &  ___LA 441 Principles of Applied Ecology
    Ecological Monitoring  
___ENVS 465 Wetland Ecology & Mgmt.
___ENVS 477 Soil Science

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